

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No: To Be Assigned  
Applicant: Nobuharu Katsuki, et al.  
Filed: Herewith  
Title: GAS DETECTOR  
TC/A.U.: To Be Assigned  
Examiner: To Be Assigned  
Confirmation No.: To Be Assigned  
Docket No.: MAT-8585US

**PRELIMINARY AMENDMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to examination, please amend the above-identified application as follows:

- ☒ **Amendments to the Specification** begin on page **2** of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page **3** of this paper.
- ☒ **Amendments to the Drawings** begin on page **9** of this paper.
- ☒ **Amendments to the Abstract** are on page **10** of this paper. A clean version of the Abstract is on page **12** of this paper.
- ☐ **Remarks/Arguments** begin on page                      of this paper.